



Highly Effective Iodinating Reagent – DIH



1,3-Diiodo-5,5-dimethylhydantoin (=DIH)5g / 25g

Advantages

- Higher Reactivity and Selectivity than Other lodinating Reagents, such as I₂ or NIS
- By-Product can be Easily Removed by **Aqueous Extraction**

1,3-Diodo-5,5-dimethylhidantoin (DIH) [D3657], which was first reported by Orazi et al., is an useful iodinating reagent.¹⁾ D3657 reacts smoothly with aromatic compounds in the presence of sulfuric acid to give the corresponding iodinates in high yields and high regioselectivities.²⁾ In addition, direct conversion of alcohols and amines to the corresponding nitriles using D3657 also have been reported.3)

Furthermore, dimethylhidantoin, which is formed after the reaction, can easily be removed by aqueous extraction.



Ordering and Customer Service

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